

## EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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APPLICANT : ARAKAWA CHEM IND CO LTD;

INVENTOR : TANAKA KUNIHICO;

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TITLE : PRODUCTION OF RESIN EMULSION

ABSTRACT : PURPOSE: To obtain a resin emulsion having small and uniform particle diameter and excellent stability, water-resistance and low frothing tendency.

CONSTITUTION: This process for the production of a resin emulsion comprises the emulsification of at least one kind of resin selected from rosin ester, terpene resin and petroleum resin in water using an emulsifier. The emulsifier to be used in the process is a copolymer obtained by the copolymerization of (A) 30-70wt.% of a styrene compound, (B) 10-50wt.% of acrylic acid and/or methacrylic acid, (C) 3-20wt.% of a monomer containing sulfonic acid group and, as necessary, (D) <30wt.% of other monomer copolymerizable with the components A to C.

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